26-Jan-09

Department of Environmental Quality Common Wealth of Virginia West Central Regional Office 3019 Peters Creek Road Roanoke, VA 24019



Dear Ms Becky France

SUBJECT: REISSUANCE EXISTING PERMIT VPDES

PERMIT NO. VA0032115

MORRIS HILL WASTE WATER TREATMENT PLANT

This letter is in connection with the reissuance of the U.S. Army Corps of Engineers Permit Number VA0032115. Please find enclosed the permit application form (Form 2A NPDES) completed. You will find the original and three copies as required; a copy will be furnished to the Virginia Department of Health as requested.

If there are any questions, feel free to contact us by phone at 540-962-1138 from 8am to 3.30PM Monday thru Friday.

Sincerely, William Conference

William C. Siple Facility Operator

US Army Corps of Engineers

FACILITY NAME AND PERMIT NUMBER: Morris Hill WWTP VA0032115

Form Approved 1/14/99 OMB Number 2040-0086

BASIC APPLICATION INFORMATION PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS Allitreatment works musticomplete guestions (A.1) through A.8 of this Basic Application information packet A.1. Facility Information. Facility name Morris Hill Sewage Treatment Plant P.O. Box 432 Mailing Address Covington, VA 24426-0432 Contact person Mr. William C. Siple Tille **Facility Operator** 540-962-1138 Telephone number Coles Mountain Road (SR 605) Facility Address (not P.O. Box) Covington, VA 24426 A.2. Applicant Information. If the applicant is different from the above, provide the following: Applicant name Mailing Address Contact person Title Telephone number is the applicant the owner or operator (or both) of the treatment works? operator Indicate whether correspondence regarding this permit should be directed to the facility or the applicant. applicant facility A.3. Existing Environmental Permits. Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits).

A.4. Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each enlity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.).

3 1 ((())		
Morris	Hill	Cam

UIC

RCRA

Population Served

Type of Collection System

PSD

Other

Other

Ownership

pground

NPDES VA0032115

55 Campsites

Sanitary

US Forest Service

Morris Hill Picnic Area

1 Restroom

Sanitary

US Army Corps of Engineers

Visitor Center/Main Complex

Sanitary

US Army Corps of Engineers

Total population served

		NAME AND PERMIT NUMBER: HIII WWTP VA0032115		·			EIV	m Approved 1i MB Number 20	14/99 45-0086
A.5.	Inc	ian Country.				124	Ì	·0/	
	_	Is the treatment works located in Indian Cour	ntry?			1	an 3 0 20 °) 9	
	a.	Yes X No	, .			1 3	AN 3 O E		
	L	Does the treatment works discharge to a rec	eiving water tha	it is either in Ind	an Country or that is	upsteam	from (and e	ventually flows	5
	Ь.	through) Indian Country?	5(VIII)g 115(5) 115		•	1	Q-BY		
		Yes X No							
A.6.		 w. Indicate the design flow rate of the treatm y flow rate and maximum daily flow rate for ea onth of "this year" occurring no more than three 	ion of the last u	1100 70013. 200	, your o dom	was built t based on	o handle). a 12-monti	Also provide the time period v	ne average vith the 12tn
	a.	Design flow rate 0.015 mgd	2006		2007		2008		
			Two Years Ag	<u>10</u>	Last Year		This Year		
	b.	Annual average daily flow rate	.0018		.0018		.0015		mgd
	C.	Maximum daily flow rate	.0028	 -	.0023		.0026		mgd
A.7.	Co cor	Ilection System. Indicate the type(s) of collectribution (by miles) of each. X Separate sanitary sewer Combined storm and sanitary sewer	ction system(s)	used by the tre	atment plant. Check	all that ap	ply. Also e	100	% . %
A.8.	Die	charges and Other Disposal Methods.			•				
д,о.		Does the treatment works discharge effluent	to waters of the	e U.S.?		X	Yes -		No
		If yes, list how many of each of the following	types of discha	irge points the t	eatment works uses	:		1	
		i. Discharges of treated effluent							
		ii. Discharges of untreated or partially treat	ed effluent				_	NONE	
		iii. Combined sewer overflow points					-	NONE	
		iv. Constructed emergency overflows (prior	to the headwor	rks)				NONE	
		v. Other					_		
	b.	Does the treatment works discharge effluen that do not have outlets for discharge to wat	els of the o.s.:		ace impoundments		_ Yes	X	No .
		If yes, provide the following for each surface	impoundment:						
		Location:						mgd	
		Annual average daily volume discharged to							
		Is discharge continuous or		intermittent?				V	
		Does the treatment works land-apply treater	d wastewater?				_ Yes	<u> </u>	_ Nc
	c.	If yes, provide the following for each land a					•		
		Location:							
		Annual average daily volume applied to site			Mgd	i			
	•	Is land application continu		intermit	tent?				
	d.	de displaces or tran		untreated was	ewater to another	_X	Yes		No

FACILITY NAME AND PERMIT NUMBER: MORTIS HILL WWTP VA0032115

Form Approved 1!14!99 OMB Number 2040-0086

If yes, describe the mean(s) by which the wastewater from the treatment works is discharged or transported to the other treatment works (e.g., tank truck, pipe). Sludge from Septic Tanks is pumped into tank truck and hauled to another plant when it builds up. Last done 2004 If transport is by a party other than the applicant, provide: Miller's Septic Tank Service Transporter name. Mailing Address: 201 S. Lexington Ave. Covington, VA 24426 David Miller Contact person: Owner Operator Title: Telephone number: 540-962-6366 For each treatment works that receives this discharge, provide the following: Covington Sewage Treatment Plant Name: Mailing Address: Edgemont Drive Covington, VA 24426 George Jamison Contact person: Title: Chief Operator 540-965-6328 Telephone number: If known, provide the NPDES permit number of the treatment works that receives this discharge. N/A Provide the average daily flow rate from the treatment works into the receiving facility. mad Does the treatment works discharge or dispose of its wastewater in a manner not included in No A.8.a through A.8.d above (e.g., underground percolation, well injection)? If yes, provide the following for each disposal method: Description of method (including location and size of site(s) if applicable): Annual daily volume disposed of by this method: intermittent? Is disposal through this method continuous or

FACILITY NAME AND PER	MIT NUMBER:
Morris Hill WWTP VA0	032115

Form Approved 1/14/99 OMB Number 2040-0085

art	B, "Additional Application	ot include information on combined to include information for Applicants with a D	Design Flow	Greater than	or Equal to	ou answered "no" to question A.8. o '071 mgd."
De	escription of Outfall.					
a.	Outfall number	1	_			
ь.	Location					(Zip Code)
		(City or town, if applicable) Alleghany County				Virginia
		(County) 37 56' 54"				(State) 79 56' 57"
		(Latitude)				(Longitude)
c.	Distance from shore (if applicable)	20		ft.	
d.	Depth below surface (2		ft.	
	Average daily flow rate		.00	17	_ mgd 3	3 уг. avg
e.						
f.	Does this outfall have discharge?	either an intermittent or a periodic	X	Yes		No (go to A.9.g.)
	If yes, provide the folk	owing information:				
	Number of times per	year discharge occurs:		73		
	Average duration of e			20 minutes	s	
	Average flow per disc			.0017		mgd
	Months in which disc			12		
g.	45-U			Yes	X	No
D	escription of Receivin	ng Waters.				
a	Name of receiving wa	ater Jackson River				
b	a	1	lackson R	iver Basin		
	United States Soil Co	onservation Service 14-digit watersh	red code (if	known):	-	
С	. Name of State Mana	gement/River Basin (if known):		James R	iver (Uppe	
		gical Survey 8-digit hydrologic catal				02080201
c		eceiving stream (if applicable): Ave				_ cfs
	. Total hardness of re	ceiving stream at critical low flow (if	applicable)	Unknown	m	ng/I or CaCO3

ILITY NAME AND PER											
is Hill WWTP VA00											
. Description of Treat											
a. What levels of trea	atment are p	rovided?	Check a								
Prima	ary	•		Seco	-	Septic Tan	k. Sand F	ilters. C	hlorination		
Adva	enced	,	_X	Other	. Describe:						
b. indicate the follow	ving removal	rates (as	applicat	ble):		•			%		
Design BOD ₅ rem	noval <u>or</u> Desi	ign CBO	D _s remov	val							
Design SS remov	ral								%		
Design P removal	1						NA		%		
Design N remova	ıl						NA		%		
Other									%		
tall at the ordinal	efection is us	end for th	ne effluer	nt from thi	s outfall? If disir	nfection varies	by season	ı, please	describe.		
c. What type of disir		וטו עטכ	10 0,11001								
			1 1 2 2*		or this outfall?			Yes	_X	No	
If disinfection is b				on used it	i tilis obtrain.		×	Yes		No	
d. Does the treatme	nt plant have	e post ae	ration?					_			
2. Effluent Testing Info parameters. Provid <u>discharged</u> . Do not collected through a 40 CFR Part 136 an minimum, effluent t	t include inf nalysis con d other app testing data	formatio	n on col	mbined s	ewer overflow rt 136 methods	s in this secti s. In addition	this data	must c	omply with C	A/QC require	ments o 136. At
discharged. Do not collected through a 40 CFR Part 135 and minimum, effluent to Outfall number:	t include inf inalysis con d other app testing data	formation ducted ropriate must be	n on col using 40 QA/QC e based	mbined s 0 CFR Pa requiren on at lea	ewer overflow rt 136 methods nents for stand st three sampl	s in this secti s. In addition	this data	must c tes not a re than t	omply with C	AA/QC require 40 CFR Part half years ap	ments o 136. At
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PUBLIC NOTICE BILLING INFORMATION FORM

I hereby authorize the Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in accordance with 9 VAC 25-31-290.C.2:

Newspaper for Public Notice		Virginian Review (Covington, VA)
Agent/Department to be billed:		US Army Corps of Engineers
Owner:		US Army Corps of Engineers
Applicant's Address:		P.O Box 432
To the second se		Covington, VA 24426
Agent's Telephone No:		540-962-1138
Authorizing Agent:	Signati	illiam Siefe
	William	Siple
	Printe	d Name
	Acting F	Facility Manager
	Title	- 1111-1111-1111-1111-1111-1111-1111-1111-1111
Facility Name:	Morris H	Hill WWTP
Permit No.	VA003	22115
Please return to:	Depar 3019 Roand	L. France timent of Environmental Quality Peters Creek Road oke, VA 24019

FACILITY NAME AND PERMIT NUMBER:		Form Approved 1/14/99 OMB Number 2040-0086
BASIC APPLICATION INFORMAT	FION	
PART C-CERTIFICATION		
All applicants must complete the Certification Section applicants must complete all applicable sections of Fo	rm:ZA;:astexplaitieu:ill:tite:app.	nine who is an officer for the purposes of this certification. All cation @verview. Indicate below which parts of Form 2A you have implied they indicate below which parts of Form 2A you have implied they indicate below which parts of Form 2A you have completed all sections with the purpose of the purpose
Indicate which parts of Form 2A you have co	mpleted and are submitting:	
Basic Application Information packet	Supplemental Application	nformation packet:
		Effluent Testing Data)
		esting: Biomonitoring Data)
	Part F (Industrial	Jser Discharges and RCRA/CERCLA Wastes)
	Part G (Combined	Sewer Systems)
AUL APPLICANTS MUST COMPLETE THE FOLLO	WING CERTIFICATION.	
to assure that qualified personnel properly gather and	evaluate the information submi	nder my direction or supervision in accordance with a system designed ted. Based on my inquiry of the person or persons who manage the ation is, to the best of my knowledge and belief, true, accurate, and tion, including the possibility of fine and imprisonment for knowing
Name and official title	2. Batty	AcTING FACILITY MAR GATHLIGH DAM
Signature Cury Cury	Note:	
Telephone number 540 - 96	2-9261	· · · · · · · · · · · · · · · · · · ·
Date signed 1/29/0	9	
Upon request of the permitting authority, you must sult or identify appropriate permitting requirements.	omit any other information nece	ssary to assess wastewater treatment practices at the treatment works

SEND COMPLETED FORMS TO:

VPDES PERMIT APPLICATION ADDENDUM - SUPPLEMENTARY INFORMATION

Ger	neral Information
1.	Entity to whom the permit is to be issued: US Army Corps of Engineers Who will be legally responsible for the wastewater treatment facilities and compliance with the permit? This may or may not be the facility or property owner.
2.	Classify the discharge as one of the following by checking the appropriate line:
	X a. Existing discharge
	h. Proposed discharge
	c. Proposed expansion of an existing discharge
3.	Year the current wastewater treatment facility began operation: 1981
Loc	ation
ì.	Is this facility located within city or town boundaries? Y/N
2.	(New Issuances & Modifications Only) What is the tax map parcel number for the land where this facility is located?
3.	For the facility to be covered by this permit, how many acres will be disturbed during the next five years due to new construction activities?
4.	What is the total acreage of the property on which the treatment plant is located?acres
5.	Attach to the back of this application a location map(s) which may be traced from or is/are a production of a U.S. Geological Survey topographic quadrangle(s) or other appropriately scaled contour map(s). The location map(s) shall show the following:
	 a. Treatment Plant b. Discharge point c. Recciving waters d. Boundaries of the property on which the treatment plant is located, or to be located. e. Distance from the treatment plant to the nearest: (Indicate "not applicable" for any distance greater than 2000 feet) i. Residence NA ii. Distribution line for potable water supply NA iii. Reservoir, well, or other source of water supplyNA iv. Recreational area NA f. Distance from the discharge point to the nearest: (Indicate "not applicable" for any distance greater than 15 miles) i. Downstream community 3 miles ii. Upstream and downstream water intake points NA iii. Shellfishing waters NA iv. Wetlands area NA v. Downstream impoundment NA vi. Downstream recreational area NA
	1. 2. 1. 2. 3. 4.

Addendum -	Supplementary	Information
Page 2 of 3	•	

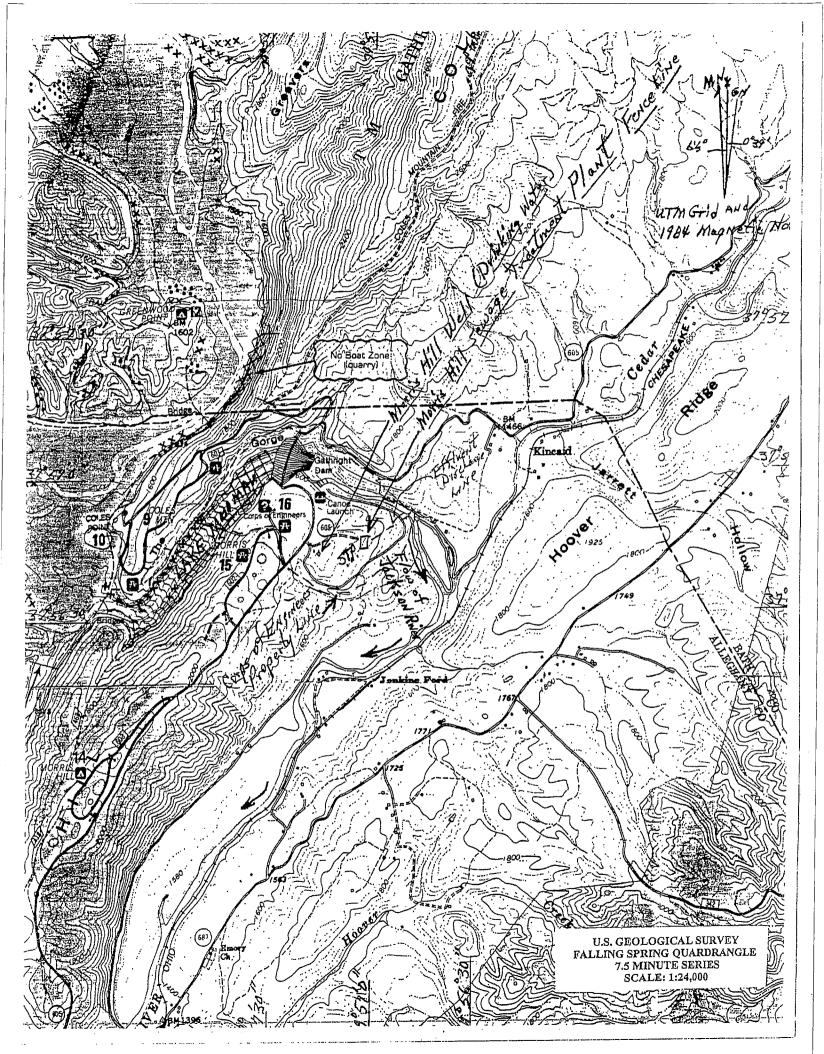
C.	Discharge	Description

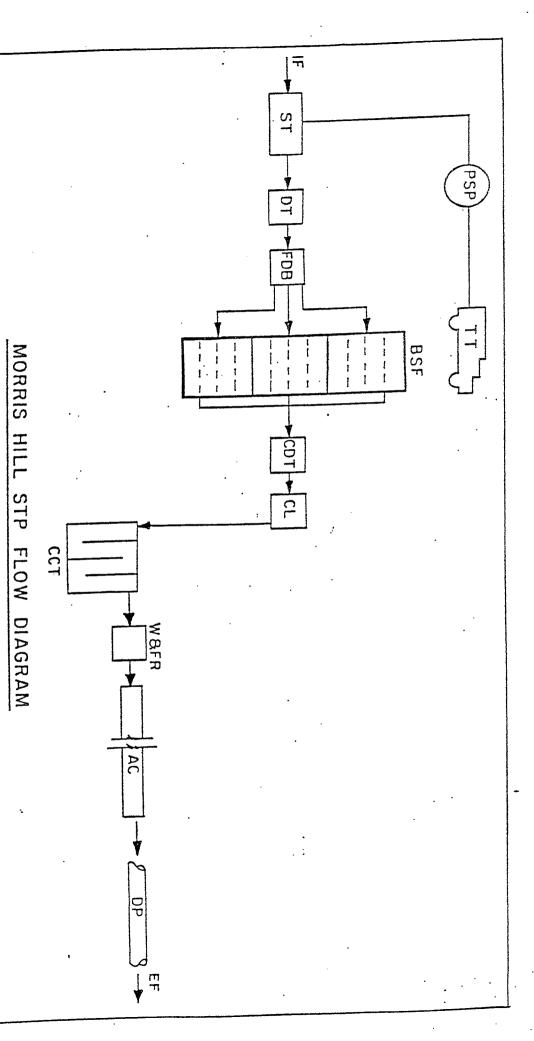
__ Other:_

Provide a brief description of the wastewater treatment scheme. Also, attach to the back of this application, a process flow diagram showing each process unit of the treatment plant, including all bypass piping and all backup power sources or redundancy in the system. 1. Septic Tank 2. Dosing Tank 3. Siphons discharge to sand filters 4. Chlorination 5. Dosing Tank 6. Chlorine Contact Tank 7. Aeration Channel 2. What is the design average flow of this facility? .015 Industrial facilities: What is the max. 30-day avg. production level (include units)? .0054 In addition to the above design flow or production level, should the permit be written with limits for any other discharge flow tiers or production levels? Y/N) If "Yes", please specify the other flow tiers (in MGD) or production levels: Please consider: Is your facility's design flow considerably greater than your current flow? Do you plan to expand operations during the next five years? 4. Nature of operations generating wastewater: 100 % of flow from domestic connections/sources Number of private residences to be served by the wastewater treatment facilities: __ 0 __ 1-49 __ 50 or more 100 % of flow from non-domestic connections/sources Mode of discharge: Continuous Intermittent x Seasonal Describe frequency and duration of intermittent or seasonal discharges: Identify the characteristics of the receiving stream at the point just above the facility's discharge point: × Permanent stream, never dry __ Intermittent stream, usually flowing, sometimes dry Ephemeral stream, wet-weather flow, often dry __ Effluent-dependent stream, usually or always dry __ Lake or pond at or below the discharge point

Addendum - Supplementary Information Page 3 of 3

Anticipated Pl	nasing Schedule for Plant Capacity	- Proposed / Expanding Discharges	
If this applicat beginning with years for 30 years	n the year in which construction co	lischarge(s), complete the phasing schedule below mpletion is anticipated and progressing in increments	of 5
Proposed Desi	gn Capacity:	MGD	
Anticipated Da	ate of Construction Completion:	Month Year	
Υє	ears after Completion	Projected Flow (MGD)	
	0		
	5 10		
	15 20	•	
	25		
	30		
Interim Facilitie	<u>.</u> <u>es</u>		
Are the wastew	ater treatment facilities interim? (c	esigned for a useful life of less than 5 years)	
Yes	No		
	ne estimated date to be discontinue the intended replacement facility.	d (month, year), and the r	ame





ABBRE VIATIONS

TT - TANK. TRUCK

PLATE PSP - PORTABLE SLUDGE PUMP

IF - INFLUENT SEWAGE

ST- SEPTIC TANK

2 DT - DOSING TANK

FDB-FLOW DISTRIBUTION BOX

20

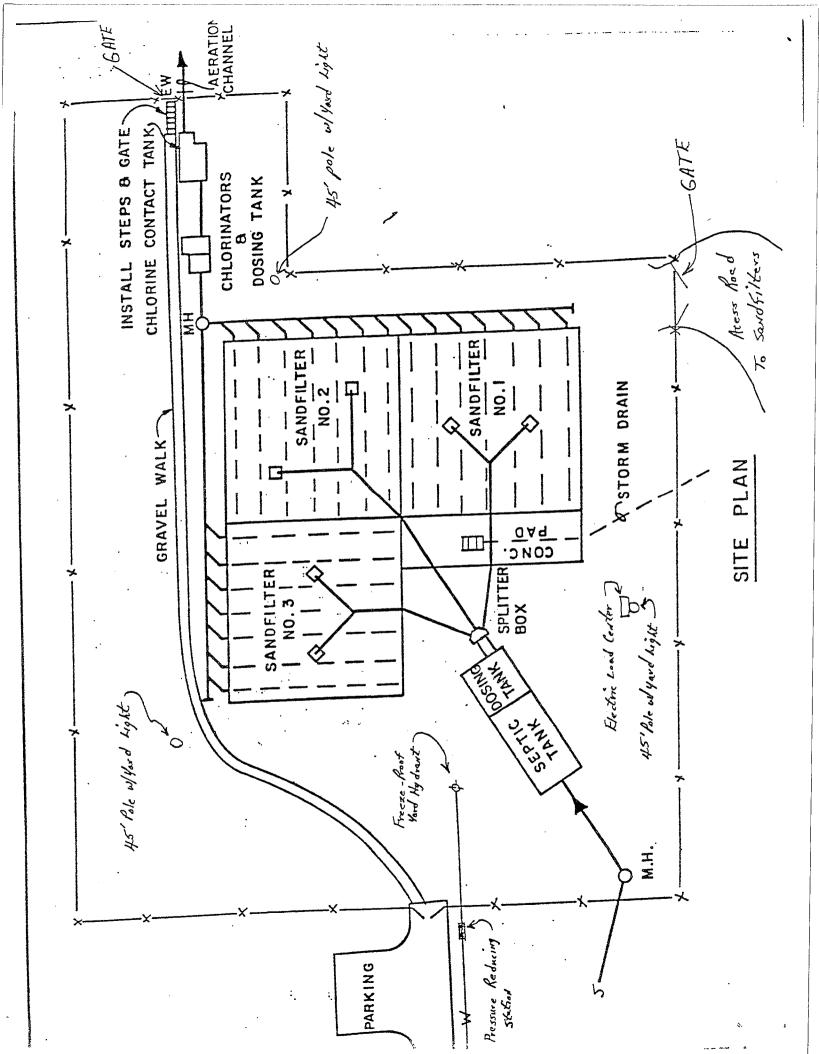
BSF-BIOLOGICAL (INTERMITTENT) SAND FILTERS

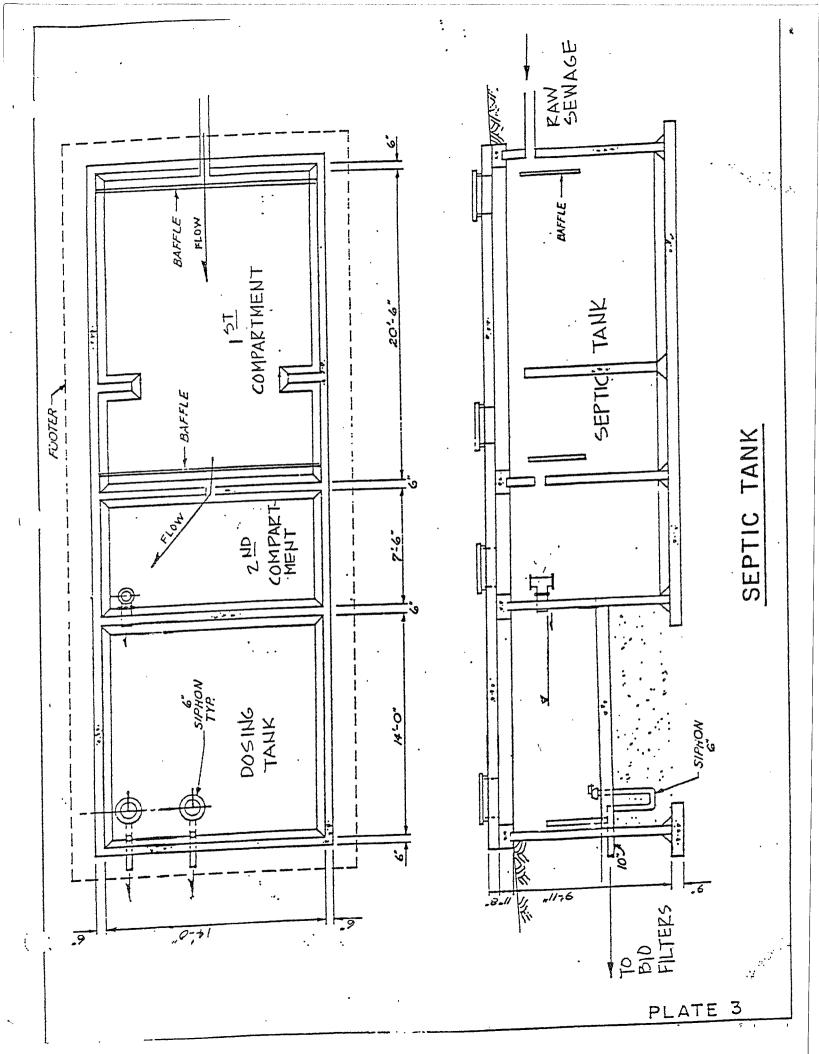
> COT-CHLORINATOR DOSING TANK CL - CHLORINATORS

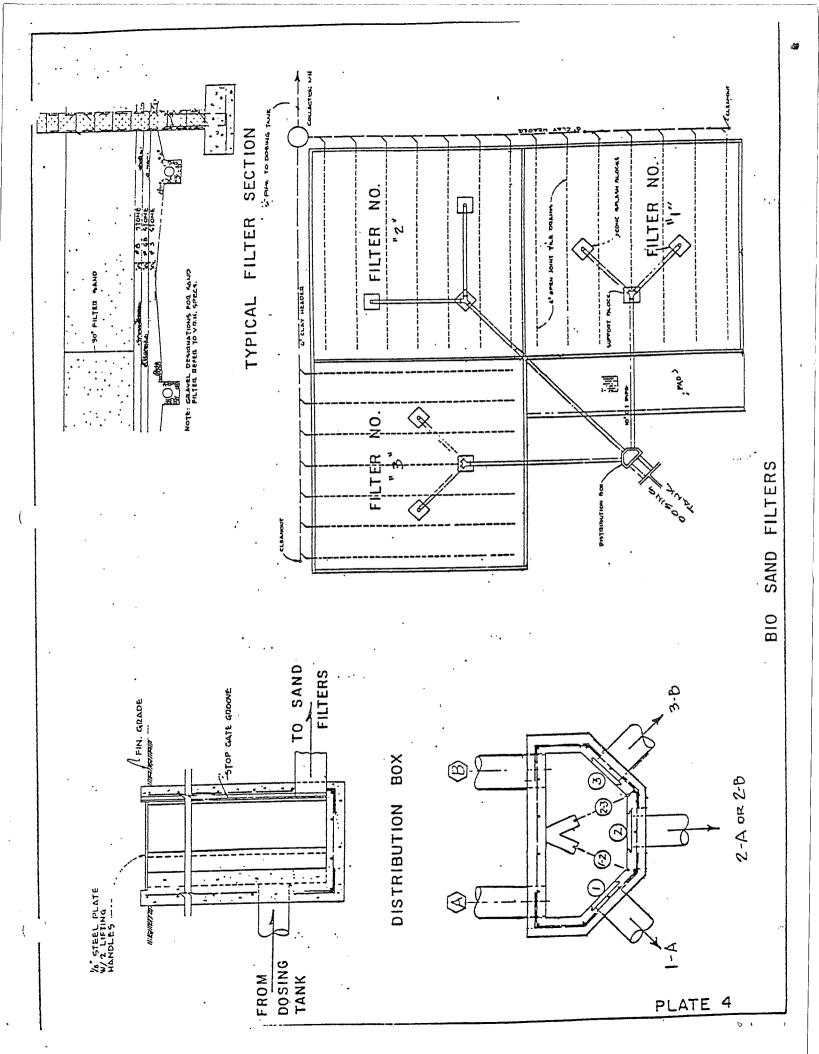
CCT-CHLORINE CONTACT TANK W & FR - WEIR & FLOW RECORDER

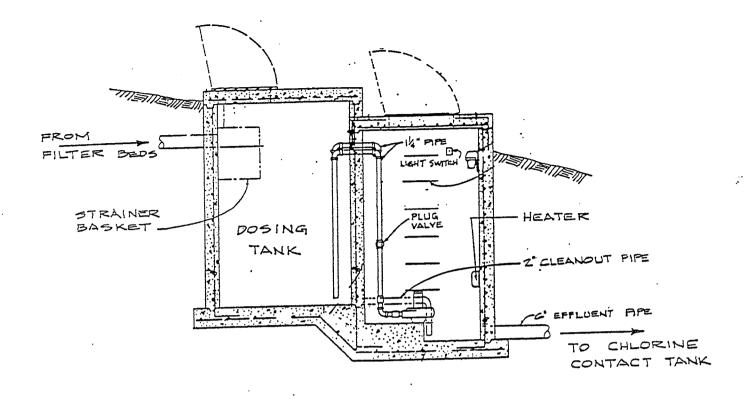
DP-DIFFUSER PIPE AC-AERATION CHANNEL

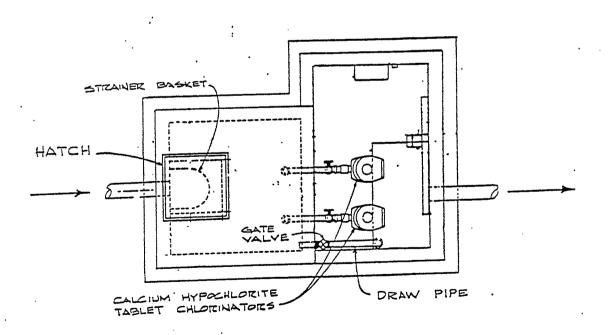
EF - EFFLUENT



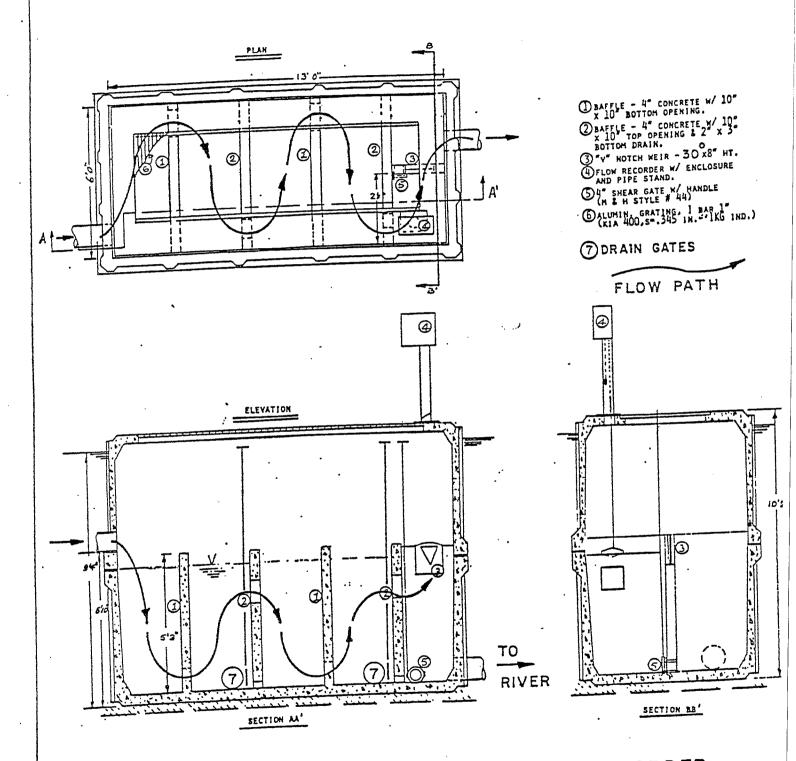




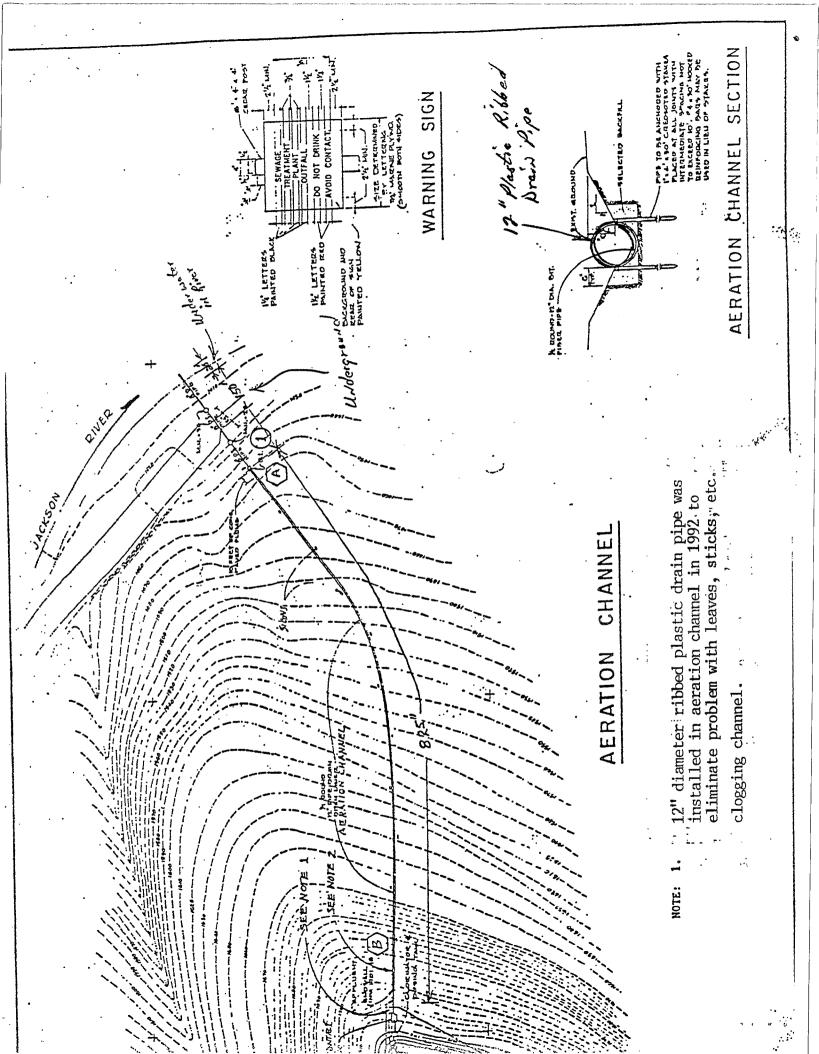




CHLORINATOR DOSING TANK & CHLORINATORS



CHLORINE CONTACT TANK & FLOW RECORDER



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oH - SM 18th 4500 H+-B	300 H+F				7 02 3217 1107 110 00		-	ر ل	- Z		פ					200	
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